

WHAT WE CLAIM IS:

1. A transmission header compressing device comprising:

a header compressor receiving a moving-picture signal including coded moving-picture data and a transmission header, and compressing the transmission header to transmit the moving-picture signal selectively with the compressed transmission header; and

a compression control circuit controlling said header compressor, and determining whether or not the moving-picture data included in the moving-picture signal are subjected to intra-frame coding to inhibit, if the moving-picture data are subjected to intra-frame coding, said header compressor from compressing the header.

2. The device in accordance with claim 1, wherein said compression control circuit references the moving-picture signal to determine whether or not the moving-picture data are subjected to intra-frame coding.

3. The device in accordance with claim 2, wherein the moving-picture signal additionally includes first information for use in determining whether or not to inhibit compression.

4. The device in accordance with claim 1, wherein said compression control circuit determines whether or not the moving-picture data are subjected to intra-frame coding on the basis of a decision signal, which is received in addition to the moving-picture signal for use in determining whether or not to inhibit compression.

5. The device in accordance with claim 1, wherein the moving-picture data are produced by dividing a frame of picture data vertically and horizontally into a plurality of blocks

of data and executing a particular kind of coding with each of the plurality of blocks of data,

said compression control circuit determining that the moving-picture data of the moving-picture signal received are subjected to intra-frame coding if a ratio of blocks of data which are intra-frame coded to the entire frame of data is higher than a predetermined threshold.

6. A transmission header compressing device comprising:

a header compressor receiving a moving-picture signal including coded moving-picture data and a transmission header from a moving-picture coding device, and compressing the transmission header to transmit the moving-picture data selectively with the compressed transmission header;

a compression inhibiting circuit for inhibiting said header compressor from compressing the transmission header of the moving-picture signal under a rule; and

an inhibition information transmitter for transmitting information indicating that the transmission header is inhibited from compression to the moving-picture coding device that has transmitted the moving-picture signal.

7. A moving-picture coding device comprising:

an encoder for coding moving-picture data selectively by intra-frame coding or inter-frame coding in dependence upon a content of the moving-picture data to transfer a resultant coded moving-picture signal to a transmission header compressing device, which follows said moving-picture coding device and compresses a transmission header;

a header attaching circuit attaching a transmission header to the coded moving-picture signal to form the moving-picture signal; and

a decision information producing circuit producing

first information for use in determining whether or not to inhibit the transmission header compressing device from compressing the transmission header in dependence upon whether or not intra-frame coding is executed, and transmitting the first information to the transmission header compressing device.

8. The device in accordance with claim 7, wherein said decision information producing circuit inserts the first information into the moving-picture signal to transmit the moving-picture signal including the first information to the transmission header compressing device.

9. The device in accordance with claim 7, wherein said decision information producing circuit transmits the first information to the transmission header compressing device in addition to the moving-picture signal

10. The device in accordance with claim 7, wherein the moving-picture data are produced by dividing a frame of picture data vertically and horizontally into a plurality of blocks of data and executing a particular kind of coding on each of the plurality of blocks of data,

said decision information producing circuit producing as the first information a ratio of blocks of data subjected to intra-frame coding to the entire frame of data.

11. A moving-picture coding device comprising:

an encoder coding moving-picture data selectively by intra-frame coding or inter-frame coding in dependence upon a content of the moving-picture data to produce resultant coded moving-picture data;

a header attaching circuit attaching a transmission header to the coded moving-picture data to form a moving-picture

signal;

an inhibition information receiver for receiving decision information indicative of inhibition of compression of the transmission header from a transmission header compressing device, which follows said moving-picture coding device and compresses the transmission header;

a coding control circuit for controlling said encoder to select intra-frame coding in response to said inhibition information receiver receiving the decision information; and

a transmitter transmitting the moving-picture signal to the transmission header compressing device.

12. A moving-picture transmission system comprising:

a moving-picture coding device for coding moving-picture data selectively by intra-frame coding or inter-frame coding in dependence upon a content of the moving-picture data and attaching a transmission header to resultant coded moving-picture data to output a moving-picture signal; and

a transmission header compressing device for compressing the transmission header of the moving-picture signal received from said moving-picture coding device to output the moving-picture data selectively with the compressed transmission header;

said moving-picture coding device comprising a decision information producing circuit for producing first information for use in determining whether or not to inhibit said transmission header compressing device from compressing the transmission header in dependence upon whether or not intra-frame coding is executed, and inserting the first information into the moving-picture signal to transmit the first information to said transmission header compressing device.

13. A moving-picture transmission system comprising:

09063556 "092701

a moving-picture coding device for coding moving-picture data selectively by intra-frame coding or inter-frame coding in dependence upon a content of the moving-picture data and attaching a transmission header to resultant coded moving-picture data to output a moving-picture signal; and

a transmission header compressing device receiving the moving-picture signal from said moving-picture coding device, and compressing a transmission header of the moving-picture signal received to output the moving-picture signal selectively with the compressed transmission header;

said moving-picture coding device comprising:

an inhibition information receiver receiving first information indicative of inhibition of compression of the transmission header from said transmission header compressing device; and

an encoder selectively coding intra-frame coding in response to said inhibition information receiver receiving the first information;

said transmission header compressing device comprising:

a compression circuit selectively compressing the transmission header of the moving-picture signal, and inhibiting the transmission header from being compressed under a rule; and

an inhibition information transmitter for transmitting second information indicative of inhibition of compression to said moving-picture coding device.

14. A transmission header compressing device comprising:

a header compressor receiving a moving-picture signal including coded moving-picture data and a transmission header from a moving-picture coding device, and compressing the

transmission header to transmit the moving-picture data selectively with the compressed transmission header, the moving-picture data being produced by dividing a frame of picture data vertically and horizontally into a plurality of blocks of data and executing either of intra-frame and inter-frame coding on each of the plurality of blocks of data;

a compression control circuit for controlling said header compressor; and

an inhibition information transmitter for transmitting first information indicative of inhibition of compression to the moving-picture coding device;

said compression control circuit determining that the moving-picture data of the moving-picture signal received are subjected to intra-frame coding if a ratio of blocks of data which are intra-frame coded to the entire frame of data is higher than a predetermined threshold to inhibit said header compressor from compressing the transmission header of the moving-picture signal.

15. The device in accordance with claim 14, wherein the moving-picture signal additionally includes the first information.

16. The device in accordance with claim 14, wherein said compression control circuit determines whether or not the moving-picture data are subjected to intra-frame coding on the basis of a decision signal, which is received in addition to the moving-picture signal for use in determining whether or not to inhibit compression.